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GRAVITATIONAL WAVE GENERATION UTILIZING
SUBMICROSCOPIC ENERGIZABLE ELEMENTS

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ABSTRACT OF THE DISCLOSURE

10 A gravitational wave generating device comprising an
energizing means which act upon energizable elements such as
molecules, atoms, nuclei or nuclear particles in order to create
nuclear reactions or collisions, the products of which can move
in a single preferred direction with an attendant impulse (jerk
or harmonic oscillation) of an ensemble of target nuclei or other
energizable elements over a very brief time period. The target
nuclei or energizable elements acting in concert generate a
gravitational wave. A preferred embodiment involves the use of
a pulsed particle beam moving at the local gravitational wave
speed in a target mass, which is comprised of target nuclei, to
trigger a nuclear reaction and build up a coherent gravitational
wave as the particles of the beam move through the target mass
and impact target nuclei over very short time spans. An
information-processing device connected to a computer, controls
the particle beam's high-frequency, (GHz to THz) pulse rate and
the number of particles in each bunch comprising the pulse in
order to produce modulated gravitational waves that can carry
information. A gravitational wave generation device that
exhibits directivity. A gravitational wave detection device that
exhibits directivity and can be tuned. The utilization of a
medium in which the gravitational wave speed is reduced in order
to effect refraction of the gravitational wave.

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